



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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July 10, 2001

CERTIFIED RETURN RECEIPT

7000 0520 0021 7582 9866

O. Jay Gatten
Basin Perlite Company
472 North Main
Kaysville, Utah 84037

Re: Review Status of Large Mine Permit Revision, Basin Perlite Company, Pearl Queen Mine, M/001/027, Beaver County, Utah

Dear Mr. Gatten:

The Division has completed a review of your latest response received July 2, 2001, to our 4th deficiency review letter sent June 12, 2001, regarding the Pearl Queen Mine permit revision which was initially received December 6, 2000. After reviewing this latest information, the Division is now prepared to issue final approval for this permit revision.

Prior to issuing final approval, a Reclamation Contract (Form MR-RC) must be completed and filed with this office. It must be attached to the reclamation surety for this project. The new reclamation surety amount is \$133,600 (surety estimate attached). Please provide us with a "draft" copy of the completed reclamation contract and surety form before they are finalized so we can review them for completeness and accuracy. Please provide the documents within 30 days of your receipt of this letter (forms enclosed for your use).

Thank you for your patience and cooperation in finalizing this permitting action. We are also looking forward to completing the processing of the millsite amendment in the near future. If you have any questions regarding this letter, please contact me at (801) 538-5286 or Tom Munson at 538-5321.

Sincerely,

D. Wayne Hedberg
Permit Supervisor
Minerals Regulatory Program

jb

Attachment: Surety Estimate

Enclosures: Surety Bond & Reclamation Contract forms

cc: Will Wilson, Basin Perlite Co

Mary Ann Wright, Associate Director

M01-27-tent-apv.doc

0021

RECLAMATION SURETY ESTIMATE

Basin Perlite Company

last revision

07/10/01

Pearl Queen Perlite Mine

filename M001-027.WB2

M/001/027

Beaver County

Prepared by Utah State Division of Oil, Gas & Mining

-This estimate uses a D8 size dozer for most earthwork

Note: actual unit costs may vary according to site conditions last unit cost update 2-Aug-2000

-Amount of disturbed area which will receive reclamation treatments = 24.0 acres

-Estimated total disturbed area for this mine = 24.0 acres

Activity	Quantity	Units	\$/unit	\$	Note
Safety gates, signs, etc. (mtls & installation)	2	sum	200	400	(1)
Demolition of buildings & facilities	0	CF	0.24	0	(2)
Debris & equipment removal - trucking	0	trips	50	0	(3)
Debris & equipment removal - dump fees	0	ton	55	0	(4)
Debris & equipment removal - loading trucks w/FE loader	0	hours	166	0	(5)
Demolition & debris removal - general labor	0	hours	15	0	(6)
Regrading facilities areas (1 ft depth)	0.0	acre	502	0	(7)
Overburden replacement - 3 ft depth - dozer	113,740	CY	0.50	56,870	(8)
Ripping waste dump tops	0.0	acre	234	0	(9)
Ripping stockpile & compacted areas	0.0	acre	234	0	(9)
Ripping pit floors	23.3	acre	234	5,452	(9)
Ripping pit access roads	0.0	acre	234	0	(9)
Creating safety berms or barriers around highwalls	3,000	LF	0.16	480	(10)
Ripping access roads - dozer		acre	234	0	(9)
Regrading access roads - dozer	0.0	acre	502	0	(7)
Sidecast mtl replacement on steep roads- trackhoe	1,000	LF	1.09	1,090	(11)
Surface drainage restoration or construction	0	LF	0.16	0	(10)
Topsoil replacement - dozer	14762	CY	0.50	7,381	(12)
Topsoil replacement - scraper	14762	CY	1.15	16,976	(13)
Topsoil replacement - truck & FE loader	0	CY	2.60	0	(14)
Mulching (2 ton/acre alfalfa)	0.0	acre	160	0	(00)
Fertilizing (100 lb/acre diammonium phosphate)	0.0	acre	90	0	(00)
Composted manure (10 ton/acre)	24.0	acre	300	7,200	(00)
Broadcast seeding	24.0	acre	170	4,080	(00)
Drill seeding (~13 lb/acre)	0.0	acre	150	0	(00)
Hydroseeding	0.0	acre	800	0	(00)
General site cleanup & trash removal	12.0	acre	50	600	(00)
Equipment mobilization	2	equip	1000	2,000	(00)
Reclamation Supervision	4	days	386	1,544	(15)
		Subtotal		104,074	
10% Contingency				10,407	
		Subtotal		\$114,481	
Escalate for 5 years at 3.13% per yr				19,073	
		Total		\$133,554	
		Rounded surety amount in yr 2006-\$		\$133,600	
Average cost per disturbed acre =		\$5,567			

RECLAMATION SURETY ESTIMATE

Basin Perlite Company
Pearl Queen Perlite Mine
M/001/027

last revision

01/10/01

filename M027-001.WB2

County

Prepared by Utah State Division of Oil, Gas & Mining

last unit cost update

08/02/00

DOGM lump sum assumed

Means Heavy Construction Cost Data 2000, 02220-100-0100, mix of bldg. types, avg., excluding dump fees
Means 2000, 02225-730-5100, bldg demo, rubbish handling, \$0.50/CY permile for >8CY truck; assumed 100 miles round trip
Means 2000, 02225-740-0100, dump charges, typical urban city, tipping fees only, bldg construction mtl's
Rental Rate Blue Book 3Q/00, Cat 988B, 7CY \$85.64hr+\$39.60/hr, & Means 2000, Crew B-10U, loading trucks only\$40.87
DOGM assumed wage for unskilled general labor
Means 2000 & Blue Book 3Q/00: Cat D8N, U, mtl 2550 lb/CY, 50 ft push, 1 ft depth

Means 2000 & Blue Book 3Q/00: Cat D8N, U, mtl 2550 lb/CY, 100 ft push
Means 2000 & Blue Book 3Q/00: Cat D8N, U, multi shank rippers, speed 1.0 mph

Means 2000 & Blue Book 3Q/00: Cat D8N, U, multi shank rippers, speed 1.0 mph

Means 2000 & Blue Book 3Q/00: Cat D8N, U, multi shank rippers, speed 1.0 mph
Means 2000 & Blue Book 3Q/00: Cat D8N, U, multi shank rippers, speed 1.0 mph
Means 2000 & Blue Book 3Q/00: Cat D8N, U, mtl 2550 lb/CY, 50 ft push, used avg vol 0.5CY/LF-berm

Means 2000 & Blue Book 3Q/00: Cat D8N, U, multi shank rippers, speed 1.0 mph
Means 2000 & Blue Book 3Q/00: Cat D8N, U, mtl 2550 lb/CY, 50 ft push, 1 ft depth
Contractor's actual costs, 1991 at E/053/012 escalated to 2000-\$, Cat 225 Excavator, 20 ft wide road
Means 2000 & Blue Book 3Q/00: Cat D8N, U, mtl 2550 lb/CY, 50 ft push, used avg vol 0.5CY/LF-berm

Means 2000 & Blue Book 3Q/00: Cat D8N, U, mtl 2550 lb/CY, 100 ft push
Means 2000 & Blue Book 3Q/00: Cat 627F P-P, mtl 2550 lb/CY, 2,000 ft haul one-way, grade +/- 4%,
Means 2000 02320-200-2030: earthwork, hauling excavated or borrow material, off highway hauler, 22 CY, 1 mile round trip, no loading inclu

DOGM general estimate - mulching
DOGM general estimate - fertilizing
DOGM general estimate - manure \$16/ton delivered, \$14 ton/acre spreading
DOGM general estimate - broadcast seeding
DOGM general estimate - drill seeding
DOGM general estimate - hydroseeding

DOGM general estimate - site cleanup & trash removal

DOGM general estimate - equipment mobilization

Means 2000, 01300-700-0180, project manager, minimum \$1,930/wk